

basin and pumping of water into the test basin to allow the settling of large particles. The heavy particles (predominantly sand and coarse silt) do not contribute much to turbidity and may not be present when pumping out standing or accumulated water from an excavation. The water from the mixing basin was pumped to the stilling basin using a gasoline pump (51 mm outlet; Hypro C-35, Waterford, WI) at the rate of 4 L s^{-1} , which provided a detention time of 1.5 h. The pump flow was calibrated before each test.

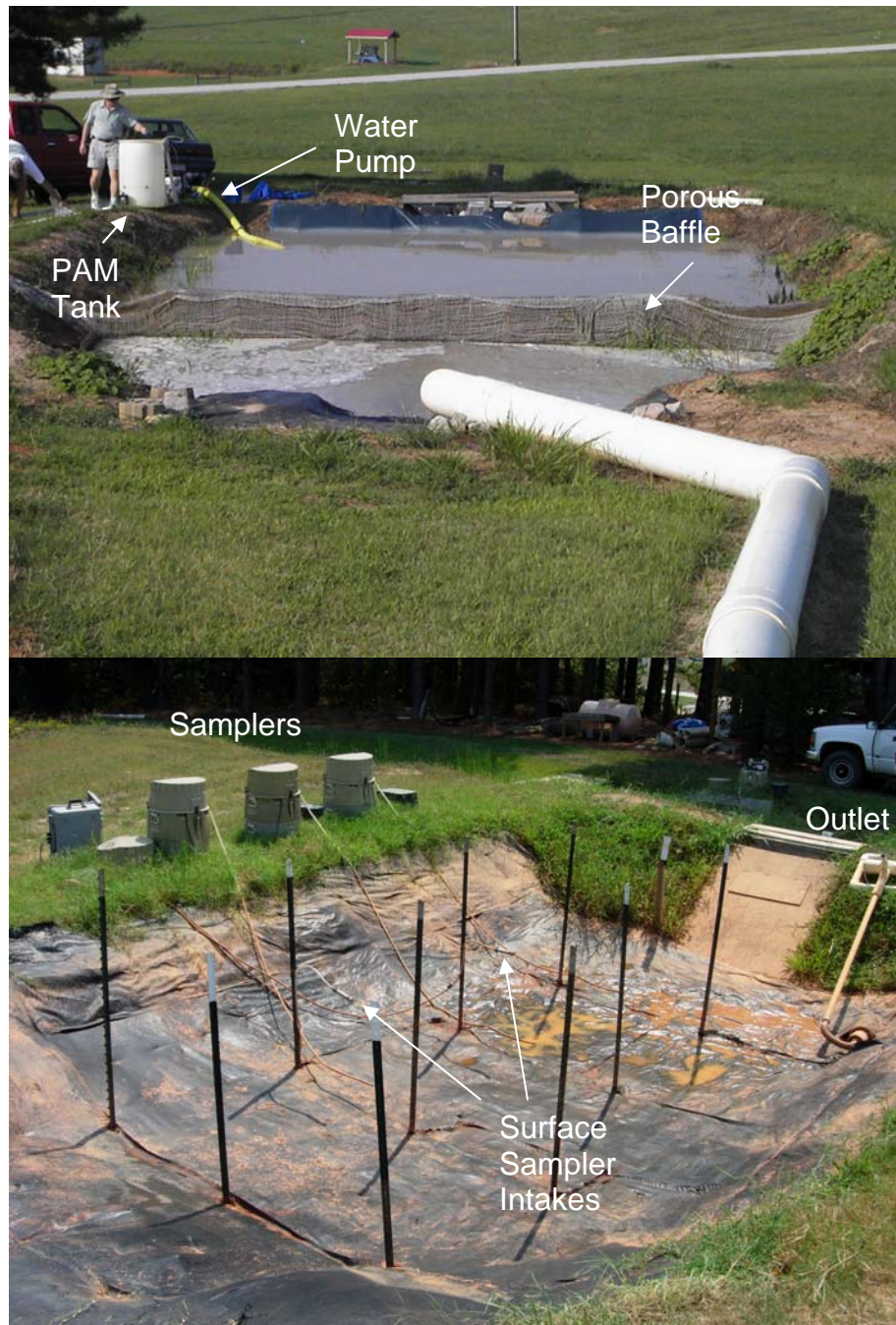


Figure 1-1. Layout of the experiment showing the mixing basin (top) and the open stilling basin with no baffles (bottom).